

Table 1

Monitoring Well Summary
April 2015 Basewide Groundwater Monitoring Event
Former George Air Force Base, California

Monitoring Well	Aquifer	Screen (ft bgs)	Associated Site	VOCs	Nitrate	GEO	GEO Extra	Dieldrin	Rationale
Retained from Last Event									
MW-1-OU3	U	113-143	ZZ051	*					Monitor benzene concentrations near ZZ051
MW-02	U	119-149	SS030	*					Monitor upgradient edge of SS030 plume
MW-04	U	119-149	SS030	*					Monitor within SS030 benzene plume
MW-16	U	120-160	OT069, SS030	*					Monitor upgradient edge of SS030 plume; OT069 LTMP well, 5-year review sampling
MW-23	U	120-160	SS030	*					Monitor area between ST054 and ST057; downgradient of LNAPL at MW-10; SS030 PSCAP compliance well
MW-29	U	120-160	SS030	*					Monitor east of ST054 and north of LNAPL at MW-103-OU2; SS030 PSCAP compliance well
MW-36	U	120-160	OT069, SS030	*					Clean well downgradient of SS030 and OT069 plumes; OT069 LTMP well, 5-year review sampling; SS030 PSCAP compliance well
MW-39	U	119-159	SS030	*					Clean well upgradient of SS030 and OT069 plumes; SS030 PSCAP compliance well
MW-45	U	120-160	OT069, SS030	*					Monitor within SS030 benzene plume, also OT069 LTMP well; SS030 PSCAP compliance well
MW-55	U	165-175	SS030	*					Monitor deep portion of the eastern perimeter of SS030 benzene plume; SS030 PSCAP compliance well
MW-58	U	120-160	OT069, SS030	*					Monitor eastern perimeter of SS030 benzene plume; OT069 LTMP well, annual sampling; SS030 PSCAP compliance well
MW-61	U	120-160	OT069, ST067b	*					Monitor upgradient of ST067b plume; OT069 LTMP well, 5-year review sampling
MW-69	U	120-140	SS030, SS084	*					Monitor within SS084 MTBE plume
MW-70B	U	122-142	SS030, SS084	*					Monitor northeast of SS084 MTBE and SS030 benzene plumes; SS030 PSCAP compliance well
MW-71	U	121-141	OT069, SS030, SS084	*					Monitor northeast of SS084 MTBE and SS030 benzene plumes; OT069 LTMP well, annual sampling; SS030 PSCAP compliance well
MW-109	U	109-135	SS030	*					Monitor northwestern perimeter of SS030 benzene plume; SS030 PSCAP compliance well
MW-110	U	110-135	SS030	*					Monitor eastern perimeter of SS030 benzene plume
MW-112	U	115-140	SS030	*					Monitor western perimeter of SS030 benzene plume; SS030 PSCAP compliance well
MW-113	U	109-134	SS030	*					Monitor northwestern perimeter of SS030 benzene plume; SS030 PSCAP compliance well
MW-114	U	115-140	SS030	*					Monitor area between ST054 and ST057; SS030 PSCAP compliance well
MW-117	U	140-160	ST067b	*		*	*		Monitor benzene concentrations with ST067b plume; ST067b PSCAP compliance well
MW-121	U	132-152	ST067b	*		*	*		Monitor upgradient of the ST067b benzene plume; ST067b PSCAP compliance well
MW-123	U	146-161	ST067b	*		*	*	*	Monitor downgradient of ST067b benzene plume; ST067b PSCAP compliance well
MW-124	U	135-155	ST067b	*		*	*		Monitor downgradient of ST067b benzene plume; ST067b PSCAP compliance well
MW-131	U	157-172	ST067b	*		*	*		Monitor southeastern extent of ST067b benzene plume; ST067b PSCAP compliance well
MW-132	U	157-172	ST067b	*		*	*		Monitor benzene concentrations with ST067b plume; ST067b PSCAP compliance well
MW-133	U	140-155	OT069, ST067b	*		*	*		Monitor downgradient of ST067b plume; ST067b PSCAP compliance well; OT069 LTMP well
MW-134	U	145-160	ST067b	*		*	*		Monitor southwestern extent of ST067b benzene plume; ST067b PSCAP compliance well
MW-136	U	155-170	ST067b, OT071	*		*	*	*	Monitor downgradient edge of Upper Aquifer dieldrin plume; ST067b PSCAP compliance well
MW-141	U	115-135	OT069, SS030	*					OT069 LTMP well, annual sampling; ST067b PSCAP compliance well
MW-143	L	280-310	ST067b, OT071	*		*	*	*	Monitor vertical migration of ST067b benzene plume; Monitor dieldrin concentrations within Lower Aquifer OT071 plume; ST067b PSCAP compliance well
MW-144	U	143-163	ST067b, OT071	*		*	*	*	Clean well between ST067b and OT071 plumes; ST067b PSCAP compliance well
MW-145	L	270-300	ST067b, OT071	*		*	*	*	ST067b PSCAP compliance well
MW-146	U	136-156	ST067b, OT071	*		*	*	*	ST067b PSCAP compliance well
MW-147	L	310-340	ST067b, OT071	*		*	*	*	ST067b PSCAP compliance well
MW-148	L	230-260	OT071					*	Monitor northeastern side (sidegradient) of plume
MW-149	L	210-240	OT071					*	Monitor southeastern side (upgradient) of plume. Due west of City Supply well ADELANTO 4
MW-150	U	155-175	ST067b	*		*	*		Increasing benzene concentrations
MW-151	L	275-305	ST067b, OT071	*		*	*	*	ST067b PSCAP compliance well
MW-152	L	270-300	OT071					*	Monitor southeastern side (upgradient) of plume
NZ-03	L	130-150	CG070, LF014	*		*			LTMP monitoring
NZ-13	L	155-185	LF014	*		*			LTMP annual monitoring
NZ-15	U	152-182	SS030	*					Monitor deep portion of Upper Aquifer immediately downgradient of LNAPL plume at ST054

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NZ-58	L	142-163	LF014	*		*			LTMP annual monitoring
NZ-60	L	275-295	LF012	*		*	*		LTMP annual monitoring
NZ-61	L	265-285	LF012	*		*	*		LTMP annual monitoring
NZ-62	L	274-294	LF012	*		*	*		LTMP annual monitoring
NZ-63	U	131-151	OT071					*	Monitors the northern side of the plume.
NZ-64	L	277-297	OT071					*	Downgradient ND well north of plume
NZ-65	L	268-288	OT071					*	Downgradient ND well northwest of plume
NZ-66	U	65-85	OT071					*	Internal to Dieldrin plume. Monitors plume stability
NZ-80	L	258-278	CG070, LF044	*		*			LTMP monitoring for the landfill, to be sampled in Fall too.
NZ-89	U	117-137	OT071					*	Internal to Dieldrin plume. Monitors plume stability
NZ-91	U	55-70	OT071					*	Internal to Dieldrin plume. Monitors plume stability
NZ-107	L	260-280	CG070, LF014	*		*			LTMP monitoring for the landfill, to be sampled in Fall too.
NZ-108	L	258-278	LF012	*		*	*		LTMP annual monitoring
NZ-112	L	180-200	CG070, LF044	*		*			LTMP monitoring for the landfill, to be sampled in Fall too.
NZ-113	L	133-153	CG070, LF044	*		*			LTMP monitoring for the landfill, to be sampled in Fall too.
NZ-119	U	148-168	ST067b	*		*	*	*	ST067b PSCAP compliance well
NZ-120	U	98-118	OT071					*	Center of groundwater mound. Monitors upgradient (infiltration from surface)
NZ-121	U	14-29	OT071					*	Downgradient ND well east of groundwater mound
NZ-122	U	55-75	OT071					*	Internal to Dieldrin plume monitoring plume stability east of groundwater mound.
NZ-123	U	33-48	OT071					*	Downgradient ND well west of groundwater mound
NZ-124	U	140-156	OT071					*	Internal to Dieldrin plume monitoring plume stability south of groundwater mound.
NZ-125	U	140-160	OT071	*		*	*	*	ST067b PSCAP compliance well. Internal to Dieldrin plume monitoring plume stability south of groundwater mound.
WZ-04	U	115-135	ZZ051	*					Monitor effectiveness of vadose zone treatment
WZ-05	U	115-135	ZZ051	*					Monitor effectiveness of vadose zone treatment
WZ-06	U	115-135	ZZ051	*					Monitor effectiveness of vadose zone treatment
Wells Added/Moved to April 2015 Sampling Event									
ADELANTO-4								*	City supply well upgradient of the plume
MW-13	U	120-160	SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well
MW-21	U	120-160	OT069, SS030	*					SS030 PSCAP compliance well
MW-26	U	120-160	OT069, SS030	*					SS030 PSCAP compliance well
MW-28	U	120-160	OT069	*		*	*		OT069 LTMP well, 5-year review sampling; SS030 PSCAP compliance well
MW-30	U	120-160	OT069	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling
MW-31	U	120-160	OT069	*					Non OU-1 well moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling; SS030 PSCAP compliance well
MW-33	U	120-160	OT069, SS030	*					SS030 PSCAP compliance well
MW-34	U	120-160	OT069, SS030	*					Non OU-1 well; all non-OU1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well; OT069 LTMP well
MW-35	U	115-155	OT069	*		*	*		OT069 LTMP well, 5-year review sampling
MW-38	U	119.76-	OT069, SS030	*					SS030 PSCAP compliance well
MW-40	U	118.67-159	OT069, SS030	*					SS030 PSCAP compliance well
MW-42	U	120-160	SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well
MW-43	U	118-158	OT069, SS030	*					Non OU-1 well moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well; OT069 LTMP well
MW-44	U	120-160	OT069	*		*	*		OT069 LTMP well, 5-year review sampling
MW-46	U	115-155	OT069, SS030	*					SS030 PSCAP compliance well
MW-47	U	115-155	OT069, SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, 5-year review sampling; SS030 PSCAP compliance well
MW-48	U	120-160	OT069	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling
MW-49	U	120-160	OT069	*		*	*		OT069 LTMP well, 5-year review sampling

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MW-51	U	110-140	OT069	*		*	*		OT069 LTMP well, 5-year review sampling
MW-57	U	120-160	OT069, SS030	*					SS030 PSCAP compliance well
MW-74	U	153.4-158.4	OT069, SS030	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling
MW-75	U	121-161	OT069	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling
MW-88	U	118-183	OT069, SS030	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, 5-year review sampling
MW-91	U	117-132	OT069	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; OT069 LTMP well, annual sampling
MW-99	U	119-134	SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well
MW-111	U	107-127	SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well
MW-115	U	110-140	SS030	*					Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; SS030 PSCAP compliance well
MW-116	U	140-160	ST067b	*		*	*		ST067b PSCAP compliance well
MW-118	U	140-160	ST067b	*		*	*		ST067b PSCAP compliance well
MW-119	U	140-160	ST067b	*		*	*		ST067b PSCAP compliance well
MW-120	U	145-165	ST067b	*		*	*		ST067b PSCAP compliance well
MW-125	U	143.5-163.5	ST067b	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-126	U	142-162	ST067b	*		*	*		ST067b PSCAP compliance well
MW-127	U	140.5-165.6	ST067b	*		*	*		ST067b PSCAP compliance well
MW-128	U	145-165	ST067b	*		*	*		ST067b PSCAP compliance well
MW-129	U	142-157	ST067b	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-130	U	146-161	ST067b	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-137	U	160-185	ST067b	*		*	*	*	Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-138	U	137-152	ST067b	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-139	U	148-161	ST067b	*		*	*		ST067b PSCAP compliance well
MW-140	U	148-168	ST067b	*		*	*		ST067b PSCAP compliance well
MW-142	L	310-340	ST067b	*		*	*		Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-153	U	152-173	ST067b	*		*	*		New well; Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-154	U	156-176	ST067b	*		*	*		New well; Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-155	U	157.5-187.5	ST067b	*		*	*		New well; Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-157	U	179-189	ST067b	*		*	*		New well; Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
MW-158	U	160-180	ST067b	*		*	*	*	New well; Non OU-1 well; all non OU-1 wells moved from Fall to Spring sampling schedule per BCT Workshop in August 2014; ST067b PSCAP compliance well
NZ-72	L	201-221	CG070	*					Abnormally high concentration detected in October 2014
Wells Removed/Moved from April 2015 Sampling Event									
LW-1	L	64-103	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
LW-2	L	40-100	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
LW-3	L	40-60	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
LW-4	L	40-100	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-29	L	177-187	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014

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NZ-51	U	131-152	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-52	U	142-162	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-74	L	134-154	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-81	U	143-158	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-84	L	241-256	DP003/DP004			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-85	L	190-205	DP003/DP004			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-106	L	210-230	DP003/DP004			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-114	L	71.5-91.5	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-127b	L	310-330	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
NZ-127c	L	340-357	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
OW-6	L	12-28	CG070			NA			OU-1 well moved to Fall sampling schedule per BCT Workshop held in August 2014
SZ-15	U	113-133	SEDA			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop
SZ-16	U	136-156	SEDA			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop
SZ-17	U	159-179	SEDA			NA			5-year review well sampled in 2014, OU-1 well moved to Fall sampling schedule per BCT Workshop

Notes:

April 2015 Event includes sampling 117 wells (102 VOC samples, 56 geochemical samples, 49 geo extra samples, and 27 dieldrin samples).

FP - Flood Plain Aquifer

GEO - Geochemical parameters include chloride, nitrate, sulfate, total dissolved solids.

GEO Extra - Additional geochemical parameters needed for geochemical evaluation may include:

total alkalinity, filtered major cations (calcium, magnesium, sodium, potassium), and field measurements of sulfide and ferrous iron

L - Lower Aquifer

TCE - Trichloroethene.

U - Upper Aquifer

VOCs - Volatile organic compounds.